Approved For Release 2008/01/31 : CIA-RDP78B04558A001000020114-3

TOP SECRET PRIORITY

OUT56807

multi

P 292107Z
FM NPIC
[redacted]
AFSSO USAFE
AFSSO PACAF
[redacted]
CNO
[redacted]
OPCEN
[redacted]
YWQLAZC/AFSSO SAC
YWQLAZC/AFSSO ACIC
YWQLAZC/AFSSO FTD
ZEM
T O P S E C R E T. [redacted] CITE NPIC 5559.

1965 SEP 29 21 41Z 29 SEP 1965

25X1

OPIE RECEIVED

No.	Office
1	File
2	OS
	ADMIN
	SEC BR
	P&DS
	CSD
	IPD
	PD
	PSD
	PSD-ICP
3,4	TID
	PID
	PAG
	DIAXX-4
	SPAD
	NSA-LO
	DIA-AP

25X1
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SUBJECT: CAMERA INFORMATION FOR MISSION 1024-1.

1. THIS PHOTOGRAPHY INVOLVES THE USE OF EIGHT CAMERAS: TWO MAIN CAMERAS, FOUR HORIZON CAMERAS, A STELLAR CAMERA, AND AN INDEX CAMERA.

2. CAMERA DATA

	FORWARD	AFT	STAR HOR	PORT HOR	STELLAR	INDEX
FOCAL LENGTH (MM)	609.602	609.628	FWD54.19	FWD55.40	(1)84.0175	(1)38.3097
			AFT54.70	AFT54.93	(2)84.0866	(2)38.3195
FILTER (WRATTEN NUMBER)	25	21	25	25	NONE	21
APERTURE	F3.5	F3.5	F8.0	F6.8	F1.8	F4.5
SLIT WIDTH (IN.) EXPOSURE(SEC.)	.225	.150	1/100	1/100	2.0	1/500
FILM	3404	3404	3404	3404	3401	3400

Declassification Review by NGA/DoD

[redacted]

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RESOLUTION

(L/MM)	198	201	FWD148	FWD144	(1) 74
			AFT139	AFT140	(2) 72

NOTE: NUMBERS (1) AND (2) UNDER STELLAR AND INDEX HEADINGS REFER TO PART-1 AND PART-2 OF THE MISSION.

3. LENS DISTORTION (PIN CUSHION) MM

A. MAIN LENS	3	2	1	0	359	358	357
FWD UNIT	.001	.000	.000	.000	.000	.000	.002
AFT UNIT	.002	.001	.000	.000	.002	.002	.004

B. HORIZON CAMERAS (MM)	FWD		AFT	
	PORT	STARBOARD	PORT	STARBOARD
(RADIAL) 10 DEGREES	.003	.008	.003	.001
20 DEGREES	.005	.015	.012	.005
(TANGENTIAL) MAX VECTOR	.005	.008	.004	.007

4. CAMERA ANGLES

		DEGREES	MINUTES
A. ANGLE BETWEEN MAIN CAMERAS		29	46.86
B. ANGLE BETWEEN STELLAR AND INDEX CAMERAS	PART (1)	89	55.5
	PART (2)	89	58.1
C. DEPRESSION ANGLE BETWEEN HORIZON AND MAIN CAMERAS	FWD STARBOARD	14	56
	FWD PORT	15	32
	AFT STARBOARD	15	05
	AFT PORT	14	53

5. TIMING MARKS

FREQUENCY MARKS WILL APPEAR ON THE FILM AT A RATE OF 200 CYCLES PER SECOND.

6. IMAGE MOTION COMPENSATION DATA (CYCLE RATE (CPS), GROUND

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ANGULAR VELOCITY (GAV) IN RAD/SEC, AND PASSES WHERE USED).

REF LEVEL			AMPL. LEVEL			PASSES
NO.	CPS.	GAV.	NO.	CPS.	GAV.	
8	.3170	.0287	3	.1276	.0115	1D1 ONLY
6	.3503	.0317	4	.1118	.0101	5D1 THRU 73D1

7. PROGRAM TIME DATA

PASS	CAMERA ON TIME (ZEBRA TIME)				PROGRAM ON TIME UP RAMP	PROGRAM DURATION
	DAY	HOUR	MIN	SEC	SEC	SEC
1D1	22	22	57	47	1207	27
5D1	23	04	54	31	846	67
5D2	23	04	58	52	1107	192
5D3	23	05	02	42	1337	53
7D1	23	08	01	22	1267	157
7D2	23	08	05	07	1492	161
7D3	23	08	08	25	1690	43
7D4	23	08	09	32	1757	64
9AE	23	10	39	48	43	47
9D1	23	10	59	35	1230	256
16D1	23	21	36	20	1510	26
18D1	24	00	29	06	1066	86
20D1	24	03	31	11	1184	128
21D1	24	05	01	03	1171	351
21D2	24	05	19	43	2292	81
22D1	24	06	31	37	1207	142
22D2	24	06	35	24	1434	93
22D3	24	06	46	09	2079	41

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23D1	24	08	01	29	1207	231
23D2	24	08	07	45	1583	76
25D1	24	11	01	57	1229	262
29D1	24	17	21	57	2416	129
32D1	24	21	37	59	1557	26
34D1	25	00	29	33	1046	121
35D1	25	01	58	25	976	160
36D1	25	03	31	21	1152	354
37D1	25	05	08	31	1581	236
38D1	25	06	32	54	1243	306
39D1	25	08	06	02	1437	40
39D2	25	08	09	15	1630	208
40D1	25	09	31	12	1147	415
41D1	25	11	04	08	1321	171
46D1	25	18	38	29	1562	47
47D1	25	20	09	03	1596	47
50D1	26	00	30	27	1078	137
52D1	26	03	33	31	1262	158
52D2	26	03	37	20	1490	78
53D1	26	05	01	43	1154	116
53D2	26	05	08	07	1538	210
54D1	26	06	37	12	1483	268
56D1	26	09	34	01	1305	245
57D1	26	10	58	38	982	62
57D2	26	11	05	49	1414	51
63D1	26	20	09	35	1628	48
66D1	27	00	32	35	1210	131

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69D1	27	Ø5	Ø3	Ø9	1251	234
69D2	27	Ø5	Ø8	43	1586	84
69D3	27	Ø5	13	21	1864	48
7ØD1	27	Ø6	36	19	1462	24Ø
72D1	27	Ø9	34	16	1334	244
73D1	27	11	Ø5	51	1438	82

8. TIME CORRELATION (MILLISECONDS)

PASS	CLOCK TIME	SYSTEM TIME	DIFFERENCE
Ø	1Ø3197.5199	77ØØ9.96Ø8	--
9	15Ø139.7Ø99	38452.1471	.ØØ4
16	189512.3529	77824.7873	.ØØ3
24	231246.2639	33158.6956	.ØØ3
32	276Ø11.2249	77923.6541	.ØØ2
4Ø	317736.5159	33248.9432	.ØØ2
41	323144Ø.6189	38653.Ø459	.ØØØ
47	356991.6839	72504.1Ø96	.ØØ1
56	4Ø41Ø4.6269	33217.Ø511	.ØØ1
63	443528.3579	7264Ø.7811	.ØØ1
72	49Ø63Ø.27Ø9	33342.6934	.ØØ1
79	53ØØ12.7569	72725.1791	.ØØØ

NOTE: ALL "DIFFERENCE" VALUES ARE PLUS.

9. REMARKS

A. S/I UNIT - PART 1 D/69/72/84

PART 2 D-64/82/66

GP-1

T O P S E C R E T

--END OF MESSAGE--

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